

Regional Science Priority Needs

REGION 1

- 1). The Impact of Residential and Commercial Land Use on New England's Water Quality
- 2). Diesel Retrofit Technology
- 3). Climate Change-regional green house gas control strategy/cause and effect of different strategies

REGION 2

- 4). Nitrogen Indicator for Estuarine Systems
- 5). Eutrophication (biological/estuary indicators)
- 6). New York Metro Climate Change Sensory Network
- 7). Innovative Technologies for Capping Contaminated Sediments, includes dredging alternatives
- 8). Developing an Emission Signature for Diesel Particulate Matter (PN) to Determine the Relative Contribution of Diesel PM to Monitored PM Levels
- 9). Addressing Increased Exposure in the Aging Population due to Methylmercury Exposure

REGION 3

- 10). Developed and Developing Lands: Science to Support Local Decisions, Global Consequences: EPA's Role in Maintaining Landscape Integrity
- 11). Mining: Impact Assessment, Compensatory Mitigation, and Conductivity
- 12). Chesapeake Bay
- 13). Manure/CAFOs
- 14). Agricultural Issues

REGION 4

- 15). Influence of Diet and Soil Mineralogy on Arsenic Bioavailability
- 16). Watershed and Airshed Factors Affecting Mercury Methylation
- 17). Life Cycle Construction Initiative

- 18). Closed-Loop Manure Treatment/Energy Production Systems for Small- to Medium-Sized Animal Operations (Agriculture)
- 19). Alternate Fuels/Clean Energy

REGION 5

- 20). Development of Health Based Standard for Asbestos Concentrations in Air and Assistance to Region for Proposed Use of Taconite Tailings as Road Aggregate
- 21). Nutrient Control with Better Understanding of Winter Runoff of Surface Applied Animal Manure

REGION 6

- 22). Development of an Alternative Asbestos Control Method (AACM)
- 23). Ozone
- 24). Cumulative Risk Assessment
- 25). Hurricane Debris

REGION 7

- 26). Biofuels Impacts
- 27). Lead Mine Tailings
- 28). Agriculture (CAFOs)

REGION 8

- 29). Permitting for Clean Energy in Region 8
- 30). Assessment of Mercury in the Great Salt Lake Ecosystem
- 31). Asbestos (Libby site)

REGION 9

- 32). Response to Harmful Algal Blooms: monitoring/prevention
- 33). Advanced Clean Air Technologies for Mobile Sources
- 34). Formation of PM_{2.5}/Ozone

- 35). Advanced Technical Tools for Determining CWA Jurisdiction
- 36). Pyrethroids in Water and Sediment: Improving Assessment and Management Tools
- 37). Contaminated Vapor Intrusion into Buildings: Improving Methods for Site Investigation
- 38). Biodiesel Life-Cycle Analysis

REGION 10

- 39). Children's Health in Alaska
- 40). Impact of Forest Fires
- 41). Mercury Methylation
- 42). Storm Water